

IN THE CLAIMS:

Please amend claims 1-17 as follows.

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1. (Currently Amended) A method for using a service-on-demand in a mobile communication system, a mobile station of the system monitoring a cell transmission and receiving parts of the transmission intended for the mobile station,

the method ~~being characterized by~~ comprising the following steps of:

offering in the cell the service-on-demand to all mobile stations located in the cell over a first channel,

transmitting from the mobile station a registration message (~~2-2, 3-3~~) for registering as a user of the service-on-demand over a signalling channel,

receiving at the mobile station an acknowledgement (~~2-4, 3-5~~) of the registration, which indicates how the service-on-demand is received, and

starting to receive the service-on-demand over the first channel in a manner indicated by said acknowledgement message.

2. (Currently Amended) A method as claimed in claim 1, ~~characterized by~~ wherein

the system ~~transmitting~~ transmits the service-on-demand encrypted, and

the mobile station ~~receiving~~ receives in the registration acknowledgement (~~2-4, 3-5~~) a key whereby the encryption of the received service-on-demand can be decrypted.

3. (Currently Amended) A method as claimed in claim 1, ~~characterized~~

by further comprising:

transmitting from the mobile station a termination message (2-6) for cancelling the registration as the user of the service-on-demand, and
terminating the reception of the service-on-demand.

B1 4. (Currently Amended) A method as claimed in claim 1, ~~characterized~~
by further comprising:

agreeing, in connection with the registration as the user, on the time or the sum of money desired to be spent on the service, and

terminating (3-7) to receive the service-on-demand in response to the expiration of the time or the sum of money.

5. (Currently Amended) A mobile communication system comprising:

mobile stations and base transceiver stations for conveying services of the mobile communication system to the users of the mobile stations, and in the system each mobile station monitoring the transmission of the base transceiver station of its location cell and receiving from the transmitting parts intended for the mobile station,
~~characterized by~~

~~the mobile communication system further comprising~~ at least one on-demand-service centre (ODSC) for offering at least one service-on-demand via the base transceiver stations of the service area of the service-on-demand over cell-specific first channels to all mobile stations located in the service area, for receiving the registration of

the users of the service-on-demand and for acknowledging the registration, wherein

B¹ at least one mobile station (~~MS~~) ~~being~~ is arranged to register as a user of the service-on-demand by transmitting a registration message over a signalling channel, to receive an acknowledgement of the registration and to start receiving the service-on-demand over the first channel of the location cell in a manner indicated by the information included in the acknowledgement, and to convey the service-on-demand to the user.

6. (Currently Amended) A mobile communication system as claimed in claim 5, ~~characterized by~~ wherein

the on-demand-service centre (~~ODSC~~) ~~being~~ is arranged to encrypt the service-on-demand before it is transmitted over the first channels and to add a key whereby the encryption can be decrypted to each registration acknowledgement, and

the mobile station (~~MS~~) ~~being~~ is arranged to receive said key in the registration acknowledgement and to decrypt the encryption of the service-on-demand received with the key.

7. (Currently Amended) A mobile communication system as claimed in claim 5, ~~characterized by~~ wherein

the base transceiver station (~~BTS~~) ~~being~~ is arranged to transmit as cell broadcast over a broadcast channel a notification of the services-on-demand available at the cell, and

the mobile station (MS) ~~being~~ is arranged to receive the notification of the services-on-demand of its location cell and to convey the information in the notification to the user of the mobile station.

8. (Currently Amended) A mobile communication system as claimed in claim 5, ~~characterized by~~ wherein

B 1 the mobile station (MS) ~~being~~ is arranged to request for information about the services-on-demand of its location cell and to receive said information, and

the base transceiver station (BTS) ~~being~~ is arranged to transmit to the mobile station, in response to the mobile station's request, information on the services-on-demand available at the cell.

9. (Currently Amended) A mobile station (MS) comprising:
a user interface (UI) via which the user of the mobile station can receive services of the mobile communication system and give instructions and orders associated with the use of the services, and which mobile station monitors the transmission of its location cell and receives from the transmitting parts intended for the mobile station;

~~the mobile station (MS) being characterized by comprising~~
registration means (CP) for composing and transmitting a registration message to the mobile communication network over a signalling channel, the registration message indicating that the user of the mobile station desires to register as a user of the service-on-demand available at the location cell, and for receiving an acknowledgement of the

registration; and

service means (CP) responsive to the acknowledgement for receiving the service-on-demand in a manner indicated by the acknowledgement, and for conveying the service to the user interface.

B\ 10. (Currently Amended) A mobile station (MS) as claimed in claim 9, ~~characterized by~~ wherein the service means ~~being~~ are arranged to receive in connection with said acknowledgement a key and to decrypt with the key the encryption of the service-on-demand.

11. (Currently Amended) A mobile station (MS) as claimed in claim 9, ~~characterized by~~ wherein

the registration means (CP) ~~being~~ are arranged to compose and transmit a termination message to the mobile communication network, the termination message indicating that the user of the mobile station desires to cancel the registration as the service-on-demand user, and

the service means (CP) ~~being~~ are arranged to stop receiving the service-on-demand and conveying the service to the user interface in response to cancelling the registration.

12. (Currently Amended) A mobile station (MS) as claimed in claim 9, ~~characterized by~~ wherein the service means ~~being~~ are arranged to receive the termination message from the mobile communication network and, in response to the

termination message, stop receiving the service-on-demand and conveying the service to the user interface.

13. (Currently Amended) An on-demand-service centre (ODSC) in a mobile communication system, ~~characterized by~~ comprising:

service means (SP) for offering at least one service-on-demand to a service area which comprises at least one mobile communication system cell,

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registration means (RP) for receiving and acknowledging the registration of a user of the service-on-demand, and

billing means (BP) responsive to the registration means for charging the user for the use of the service-on-demand.

14. (Currently Amended) An on-demand-service centre (ODSC) as claimed in claim 13, ~~characterized by~~ wherein

the service means ~~being~~ are arranged to encrypt the service-on-demand, and

the registration means (RP) ~~being~~ are arranged to include a key in the registration acknowledgement.

15. (Currently Amended) An on-demand-service centre (ODSC) as claimed in claim 13 or 14, ~~characterized by~~ wherein

the registration means (RP) ~~being~~ are arranged to compute the number of the service-on-demand users, and

the service means (SP) ~~being~~ are arranged to transmit the service-on-demand if

there is at least one user of the service-on-demand.

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16. (Currently Amended) A base transceiver station (~~BTS~~) comprising channels for at least one cell, one of the ~~cells~~ channels being a cell-specific broadcast channel for transmitting general information to ~~the~~ mobile stations in the cell, ~~characterized by~~ the base transceiver station (~~BTS~~) being arranged to transmit at least one service-on-demand over one of its channels, the channel being other than the cell-specific broadcast channel for general information, the service-on-demand being available on said other channel to all mobile stations located in the cell.

17. (Currently Amended) A base transceiver station as claimed in claim 16, ~~characterized by~~ wherein the base transceiver station (~~BTS~~) ~~being~~ is arranged to transmit in the general information of the cell a notification of the services-on-demand available at the cell.
